

Editor - C:\Users\Rochelle Abalus\Documents\2ECEA\Matlab\Final\Prob3.m

Prob3.m

```
49 - e = norm(Z5);
50 - f = norm(Z6);
51 - g = norm(Z7);
52 - h = norm(Z8);
53 - i = norm(Z9);
54 - j = norm(Z10);
55
56 - v=[a,b,c,d,e,f,g,h,i,j];
57
58 - LN=min(v);
59
60 - if LN==v(1)
61 -     disp(PF1)
62 - elseif LN==v(2)
63 -     disp(PF2)
64 - elseif LN==v(3)
65 -     disp(PF3)
66 - elseif LN==v(4)
67 -     disp(PF4)
68 - elseif LN==v(5)
69 -     disp(PF6)
70 - elseif LN==v(6)
71 -     disp(PF6)
72 - elseif LN==v(7)
73 -     disp(PF7)|
74 - elseif LN==v(8)
75 -     disp(PF8)
76 - elseif LN==v(9)
77 -     disp(PF9)
78 - else
79 -     disp(PF10)
```

Workspace

Command Window

```
>> Prob3
Value of x in []: [-3,-2,-1,0,1,2,3,4,5]
Value of y in []: [174,41,4,0,-7,-29,-52,-41,60]
Warning: Polynomial is not unique; degree >= number of data points.
> In polyfit (line 74)
   In Prob3 (line 37)
Warning: Polynomial is not unique; degree >= number of data points.
> In polyfit (line 74)
   In Prob3 (line 41)
Columns 1 through 7

    0.0006    -0.0048    -0.0014     0.0625     0.9944    -4.2125    -2.4937

Columns 8 through 9

   -1.3452     0.0000

fx >>
```